This drawing is the property of Motherson Sumi Systems Limited and may not be reproduced or copied in any manner or used for any purpose other than for which it is supplied without prior written permission.

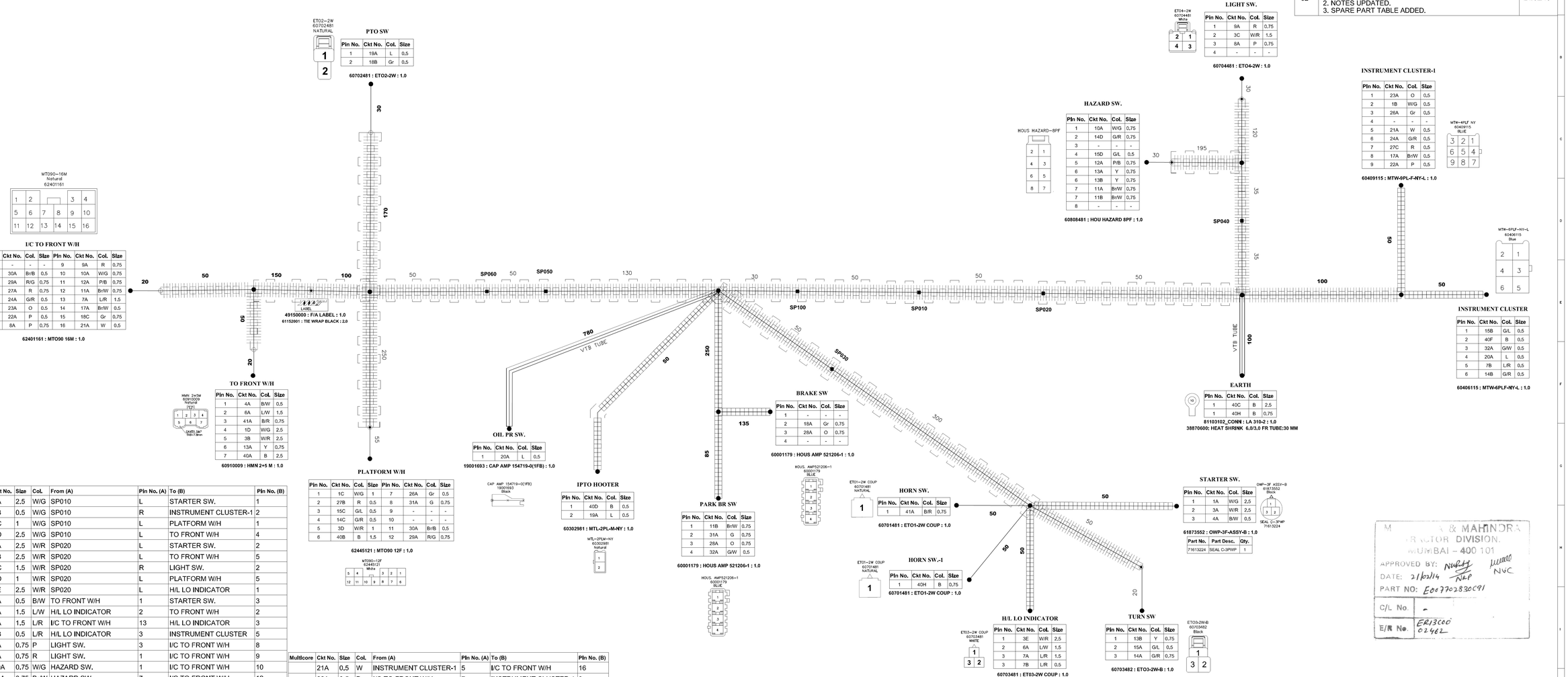
H/H TOLERANCE						
DIA CLASSIFICATION	ITEM	MAIN WIRE		BRANCH WIRE		SINGLE WIRE	
		+	−	+	−	+	−
200 AND LESS		10	10	15	5	15	5
201 ~ 500		15	15	20	5	20	5
501 ~ 1000		15	15	25	5	25	5
1001 ~ 5000		20	20	25	10	25	10
5001		25	25	3.00	0.50	3.00	0.50
		1.50	1.50				

SPARE PART TABLE

Part No.	M&M Part No.	Part Desc.	Qty.
61152001	E007702747D1	TIE WRAP	2

ALL DIMENSIONS ARE IN MM
UNLESS OTHERWISE SPECIFIED
DO NOT SCALE THE DRG.
IF IN DOUBT, ASK

ISSUE	REVISION RECORD	DATE
`00'	ORIGINAL ISSUE	
`01'	1. LAYOUT & BRANCH LENGTH CHANGED 2. H/L INDICATOR LOCATION SHIFTED 3. M&M PART NO CHANGED TO E007702830C91 4. NOTES UPDATED	13/12/13
`02'	1. BINDER CHANGED FROM 69120059 TO 61152001. 2. NOTES UPDATED. 3. SPARE PART TABLE ADDED.	21/02/13



Pin No.	Ckt No.	Col.	Size	Pin No.	Ckt No.	Col.	Size
1	-	-	-	9	9A	R	0,75
2	30A	Br/B	0,5	10	10A	W/G	0,75
3	29A	R/G	0,75	11	12A	P/B	0,75
4	27A	R	0,75	12	11A	Br/W	0,75
5	24A	G/R	0,5	13	7A	L/R	1,5
6	23A	O	0,5	14	17A	Br/W	0,5
7	22A	P	0,5	15	18C	Gr	0,75
8	8A	P	0,75	16	21A	W	0,5

Pin No.	Ckt No.	Col.	Size
1	4A	B/W	0,5
2	6A	L/W	1,5
3	41A	B/R	0,75
4	1D	W/G	2,5
5	3B	W/R	2,5
6	13A	Y	0,75
7	40A	B	2,5

Pin No.	Ckt No.	Col.	Size	Pin No.	Ckt No.	Col.	Size
1	1C	W/G	1	7	26A	Gr	0,5
2	27B	R	0,5	8	31A	G	0,75
3	15C	G/L	0,5	9	-	-	-
4	14C	G/R	0,5	10	-	-	-
5	3D	W/R	1	11	30A	Br/B	0,5
6	40B	B	1,5	12	29A	R/G	0,75

Pin No.	Ckt No.	Col.	Size
1	40D	B	0,5
2	19A	L	0,5

Pin No.	Ckt No.	Col.	Size
1	11B	Br/W	0,75
2	31A	G	0,75
3	28A	O	0,75
4	32A	G/W	0,5

Pin No.	Ckt No.	Col.	Size
1	41A	B/R	0,75

Pin No.	Ckt No.	Col.	Size
1	3E	W/R	2,5
2	6A	L/W	1,5
3	7A	L/R	1,5
3	7B	L/R	0,5

Pin No.	Ckt No.	Col.	Size
1	13B	Y	0,75
2	15A	G/L	0,5
3	14A	G/R	0,75

Pin No.	Ckt No.	Col.	Size
1	9A	R	0,75
2	3C	W/R	1,5
3	8A	P	0,75
4	-	-	-

Pin No.	Ckt No.	Col.	Size
1	10A	W/G	0,75
2	14D	G/R	0,75
3	-	-	-
4	15D	G/L	0,5
5	12A	P/B	0,75
6	13A	Y	0,75
6	13B	Y	0,75
7	11A	Br/W	0,75
7	11B	Br/W	0,75
8	-	-	-

Pin No.	Ckt No.	Col.	Size
1	23A	O	0,5
2	1B	W/G	0,5
3	26A	Gr	0,5
4	-	-	-
5	21A	W	0,5
6	24A	G/R	0,5
7	27C	R	0,5
8	17A	Br/W	0,5
9	22A	P	0,5

Pin No.	Ckt No.	Col.	Size
1	15B	G/L	0,5
2	40F	B	0,5
3	32A	G/W	0,5
4	20A	L	0,5
5	7B	L/R	0,5
6	14B	G/R	0,5

Pin No.	Ckt No.	Col.	Size
1	40C	B	2,5
1	40H	B	0,75

Pin No.	Ckt No.	Col.	Size
1	1A	W/G	2,5
2	3A	W/R	2,5
3	4A	B/W	0,5

Multicore	Ckt No.	Size	Col.	From (A)	Pin No. (A)	To (B)	Pin No. (B)
	1A	2,5	W/G	SP010	L	STARTER SW.	1
	1B	0,5	W/G	SP010	R	INSTRUMENT CLUSTER-1	2
	1C	1	W/G	SP010	L	PLATFORM W/H	1
	1D	2,5	W/G	SP010	L	TO FRONT W/H	4
	3A	2,5	W/R	SP020	L	STARTER SW.	2
	3B	2,5	W/R	SP020	L	TO FRONT W/H	5
	3C	1,5	W/R	SP020	R	LIGHT SW.	2
	3D	1	W/R	SP020	L	PLATFORM W/H	5
	3E	2,5	W/R	SP020	L	H/L LO INDICATOR	1
	4A	0,5	B/W	TO FRONT W/H	1	STARTER SW.	3
	6A	1,5	L/W	H/L LO INDICATOR	2	TO FRONT W/H	2
	7A	1,5	L/R	I/C TO FRONT W/H	13	H/L LO INDICATOR	3
	7B	0,5	L/R	H/L LO INDICATOR	3	INSTRUMENT CLUSTER	5
	8A	0,75	P	LIGHT SW.	3	I/C TO FRONT W/H	8
	9A	0,75	R	LIGHT SW.	1	I/C TO FRONT W/H	9
	10A	0,75	W/G	HAZARD SW.	1	I/C TO FRONT W/H	10
	11A	0,75	Br/W	HAZARD SW.	7	I/C TO FRONT W/H	12
	11B	0,75	Br/W	PARK BR SW	1	HAZARD SW.	7
	12A	0,75	P/B	HAZARD SW.	5	I/C TO FRONT W/H	11
	13A	0,75	Y	HAZARD SW.	6	TO FRONT W/H	6
	13B	0,75	Y	HAZARD SW.	6	TURN SW	1
	14A	0,75	G/R	SP030	L	TURN SW	3
	14B	0,5	G/R	SP030	R	INSTRUMENT CLUSTER	6
	14C	0,5	G/R	SP030	R	PLATFORM W/H	4
	14D	0,75	G/R	SP030	R	HAZARD SW.	2
	15A	0,5	G/L	SP040	L	TURN SW	2
	15B	0,5	G/L	SP040	L	INSTRUMENT CLUSTER	1
	15C	0,5	G/L	SP040	L	PLATFORM W/H	3
	15D	0,5	G/L	SP040	R	HAZARD SW.	4
	17A	0,5	Br/W	INSTRUMENT CLUSTER-1	8	I/C TO FRONT W/H	14
	18A	0,75	Gr	SP060	R	BRAKE SW	2
	18B	0,5	Gr	SP060	L	PTO SW	2
	18C	0,75	Gr	SP060	L	I/C TO FRONT W/H	15
	19A	0,5	L	PTO SW	1	IPTO HOOTER	2
	20A	0,5	L	INSTRUMENT CLUSTER	4	OIL PR SW.	1
	21A	0,5	W	INSTRUMENT CLUSTER-1	5	I/C TO FRONT W/H	16
	22A	0,5	P	I/C TO FRONT W/H	7	INSTRUMENT CLUSTER-1	9
	23A	0,5	O	INSTRUMENT CLUSTER-1	1	I/C TO FRONT W/H	6
	24A	0,5	G/R	INSTRUMENT CLUSTER-1	6	I/C TO FRONT W/H	5
	26A	0,5	Gr	INSTRUMENT CLUSTER-1	3	PLATFORM W/H	7
	27A	0,75	R	SP050	L	I/C TO FRONT W/H	4
	27B	0,5	R	SP050	L	PLATFORM W/H	2
	27C	0,5	R	SP050	R	INSTRUMENT CLUSTER-1	7
	28A	0,75	O	PARK BR SW	3	BRAKE SW	3
	29A	0,75	R/G	PLATFORM W/H	12	I/C TO FRONT W/H	3
	30A	0,5	Br/B	I/C TO FRONT W/H	2	PLATFORM W/H	11
	31A	0,75	G	PLATFORM W/H	8	PARK BR SW	2
	32A	0,5	G/W	PARK BR SW	4	INSTRUMENT CLUSTER	3
	40A	2,5	B	SP100	L	TO FRONT W/H	7
	40B	1,5	B	SP100	L	PLATFORM W/H	6
	40C	2,5	B	SP100	R	EARTH	1
	40D	0,5	B	SP100	L	IPTO HOOTER	1
	40F	0,5	B	SP100	R	INSTRUMENT CLUSTER	2
	40H	0,75	B	EARTH	1	HORN SW.-1	1
	41A	0,75	B/R	HORN SW.	1	TO FRONT W/H	3

NOTES:-
1. VIEW OF ALL MULTIPOLE CONNECTORS ARE SHOWN FROM WIRE INSERTION SIDE.
2. ALL WIRES ARE FLRY-B AS PER ISO 6722 CLASS B (MSSL MAKE).
3. BRANCH DIMENSIONS ARE FROM CENTER OF NODE UP TO REAR END OF CONNECTOR & CENTER OF EYELET.
4. ALL JOINTS SHOULD BE COVERED WITH ADHESIVE LINE HEAT SHRINK TUBE.
5. SPIRAL TAPING INSIDE & POINT TAPING BY PVC(FR) BLACK TAPE OVER CORRUGATED TUBE AT A REGULAR INTERVAL OF APPROX 150MM.
6. ENDS OF CORRUGATED TUBE OR SLEEVE TO BE FIXED WITH BLACK PVC(FR) TAPE.
7. SUITABLE SIZE CORRUGATED TUBE OF FR GRADE (100 DEG) TO BE USED (MSSL MAKE).
8. TIE WRAP 61152001(2 QTY) TO BE SUPPLY LOOSE WITH W/H.

COLOR CODE	
COLOR CODE	COLOR DESCRIPTION
B	BLACK
Br	BROWN
Ch	CHOCOLATE
Dg	DARK GREEN
G	GREEN
L	BLUE
Lg	LIGHT GREEN
O	ORANGE
P	PINK
R	RED
Sb	SKY BLUE
V	VIOLET
W	WHITE
Y	YELLOW
Gr	GREY

CHS INSULATION SYMBOLS					
S.NO	SYMBOLS	SYMBOLS DESCRIPTION	S.NO	SYMBOLS	SYMBOLS DESCRIPTION
1		POLY ENERGY POINT OF THE HARNESS (DATUM NODE)	14		PVC (V) TUBE (SYSTEM GENERATED)
2		NODE	15		PVC (V) TUBE (SYSTEM GENERATED) WITH SPIRAL TAPING
3		NODE WITH CONNECTOR	16		MANUAL UPDATED BROWN LINE
4		NODE WITH CONNECTOR (AS YOU TOLD M DRESS TYPE)	17		FOR TWIST TUBE (MANUALLY UPDATED)
5		SPLICE NODE	18		FOR TWIST TUBE (SYSTEM GENERATED)
6		POINT (SPOT) TAPE	19		CAVITY FOR FLEXIBLE HOUSING
7		ROUGH/SPIRAL TAPING (SYSTEM GENERATED)	20		CAVITY FOR MALE HOUSING
8		FULL TAPING(FOR 2L AS PER SYSTEM GENERATED)	21		SPIRAL TAPE + CUT TUBE + DOUBLE TAPE
9		CORRUGATED TUBE	22		SPIRAL TAPE + CUT TAPE + SPACE TAPE
10		CORRUGATED TUBE WITH OVERLAP TAPE	23		SPIRAL TAPE + CUT TAPE + SPIRAL TAPE
11		SPLICE NODE WITH SLEEVE (SYSTEM GENERATED)	24		SPACE TAPE
12		WAY LS PROOF HOUSING WITH WIRE SEAL	25		BARE
13		WAY LS PROOF HOUSING WITH CAVITY PLUG			

		Customer	Mahindra & Mahindra
QTY./SET	ONE	W/H Code	MH1811BA
SCALE	N.T.S.	Customer No.	E007702830C91
DATE	21/02/2014	Project Name	8000 4WD 80HP
DRAWN	CHECKED / APPROVED	Part Name	W/H CENTRAL
		Reference No.	
PALLAVI	VIJAY / ARBIND	NO. OF WIRES	56
HARNESS STATUS	Draft	HARNESS DATUM VALUE	Back
	THIRD ANGLE PROJECTION	MOTHERSON SUMI SYSTEMS LIMITED NOIDA-DISTT.G.B. NAGAR(U.P.)-INDIA	
SHEET SIZE A1200X720	NO. OF SHEET 01 OF 01	FORM NO. FRM/RD/24 REV. NO. 03	

Downloaded from TCUA by CHANDEKAR MOHAN 505074 M&M Ltd. Wednesday, Nov 26 2025, 12:41 PM
Downloaded from TCUA by CHANDEKAR MOHAN 505074 M&M Ltd. Wednesday, No

<SC> : SIGNIFICANT CHARACTERISTICS : CRITICAL CHARACTERISTICS

BREAK SHARP CORNERS MAY BE EITHER A CHAMFER OR A RADIUS FROM 0.2 mm MIN. TO 1.0 mm MAX.
UNSPECIFIED TOLERANCES AS PER ISO-2768-1+1989

DIMENSIONS									
LINEAR in mm.	OVER	0.5	3	6	30	120	400	1000	2000
	UPTO	3	6	30	120	400	1000	2000	4000
f FINE	10.000	±0.05	±0.05	±0.1	±0.15	±0.2	±0.3	±0.5	-
m MEDIUM	10.01	±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2
c COARSE	10.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	±4
v VERY COARSE	11	-	±0.5	±1	±1.5	±2.5	±4	±6	±8

ANGULAR in deg.	LENGTH OF SHORTER SIDE OF THE ANGLE (in mm)				
OVER	-	10	50	120	400
UPTO	10	50	120	400	-
f FINE 10.000	± 1°	± 0° 30'	± 0° 20'	± 0° 10'	± 0° 5'
m MEDIUM 10.01	± 1° 30'	± 1°	± 0° 30'	± 0° 25'	± 0° 15'
c COARSE 10.1	± 2°	± 1° 30'	± 1°	± 0° 30'	± 0° 20'
v VERY COARSE 11	± 3°	± 2°	± 1° 30'	± 1°	± 0° 30'

PART OF THIS DRAWING / DOCUMENT SHOULD NOT BE REPRODUCED IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN PERMISSION OF M & M LTD.
COMPUTER GENERATED DRAWING. DO NOT CHANGE MANUALLY

IF IN DOUBT, ASK | DO NOT SCALE | DRG SIZE : A0 | ALL DIMENSIONS ARE IN mm. | CHECK DRG WITH LATEST CHANGE No

MAHINDRA & MAHINDRA LIMITED
TRACTOR DIVISION
KANDIVLI(EAST), MUMBAI 400 101, INDIA.

E.R. / PROC.REG.NO : ER13C0002462 | PART NO. : E007702830C91

PART NAME : WIRING HARNESS CENTRAL (8000)

MATERIAL : | HEAT TREATMENT :

	NAME	SIGN	DATE
CAD ENGG.			
DESIGNER			
CHECKER			
APPR.BY			

FIRST USED TRCR. MODEL

SCALE NTS | SHEET : 1 OF 1 | UNIT QTY. : | WEIGHT : kg.

M & MAHINDRA TRACTOR DIVISION. MUMBAI - 400 101
APPROVED BY: NVC
DATE: 21/02/14
PART NO: E007702830C91
C/L No. -
E/R No. ER13C00 02462

600000011700	AA	PART DESCRIPTION CHANGED AS PER LEGAL METROLOGY ACT REMARK	PRP	NVC	RAW	31/05/2017
E.R.NO.	LET	LOC	REVISIONS	DSNR	DR.	APPR.	DATE